

Scaled data based on original data using

LM-41-14 Approved Method for Photometric Testing Of Indoor Fluorescent Luminaires

Test Report Prepared for

Cooper Lighting Solutions

(formerly Eaton)

Brand: io LED

Report Number: P224906

Luminaire Tested: **LSR2B05FL409030D010 2LBD*H**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P224906
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (156)
Test Lab: INNOVATION CENTER-P2
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: io LED
Catalog Number: LSR2B05FL409030D010 2LBD*H
Description: 500 Lumen, 2inch Portfolio LED Cylinder
FLOOD OPTIC
SPUN ROUND TRIM WITH HAZE FINISH
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 618.0 lumens
Efficiency: N/A
Efficacy: 84.7 lumens/watt
Spacing Criteria (0/90/45): 0.6 / 0.6 / 0.59
Luminous Opening: Rectangular (W 0.17' x L: 0.17' x H: 0')
CIE Type: Direct

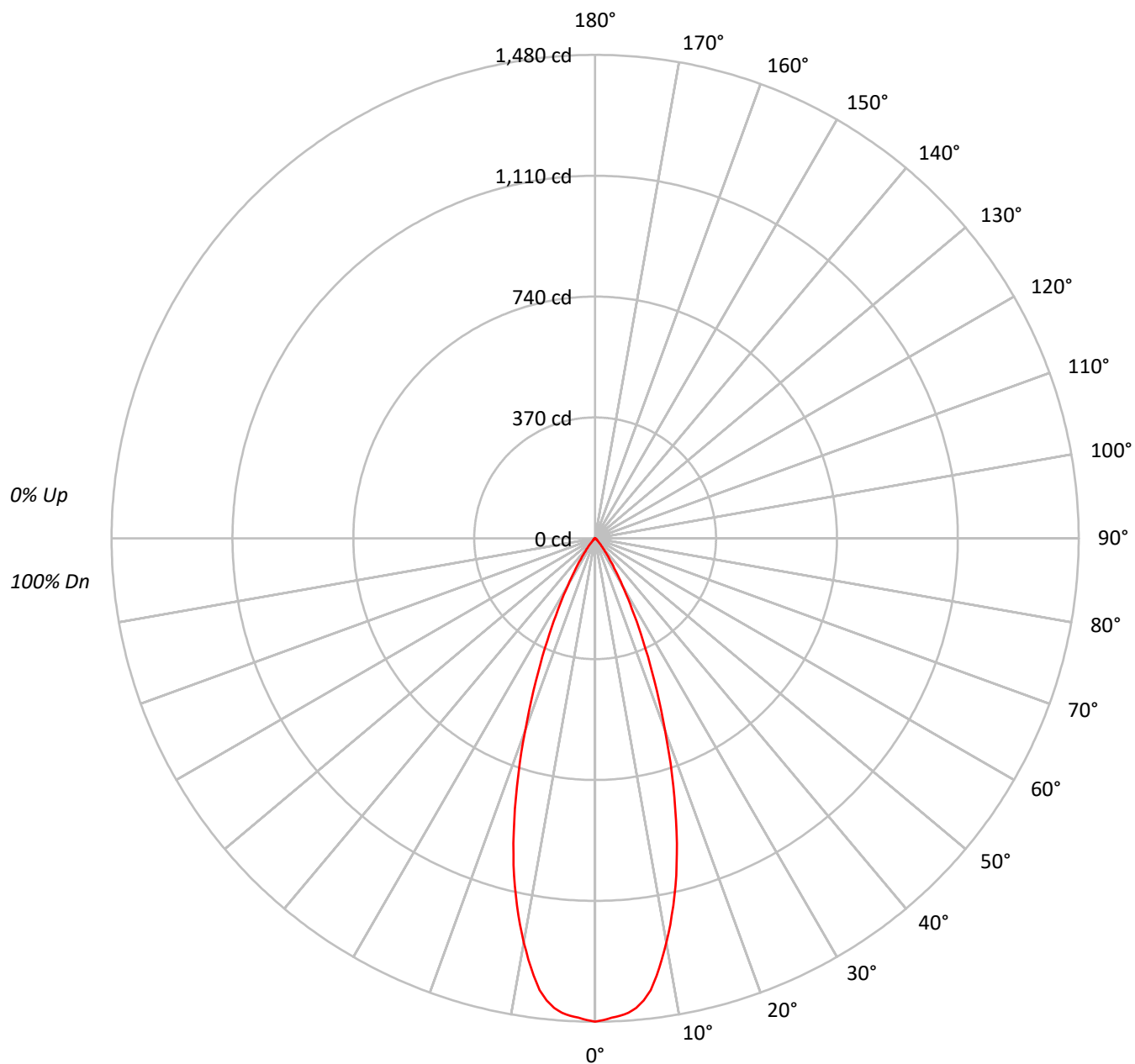
Input Watts (W): 7.3
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P224906

CATALOG NUMBER: LSR2B05FL409030D010 2LBD*H

Luminous Intensity Polar Plot





TEST NUMBER: P224906

CATALOG NUMBER: LSR2B05FL409030D010 2LBD*H

COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20					20					20					20					20
RC	80					70					50					30					10
RW	70	50	30	10		70	50	30	10		50	30	10		50	30	10		50	30	10
RCR																					
0	119	119	119	119		116	116	116	116		111	111	111		106	106	106		102	102	102
1	114	112	110	108		112	110	108	106		106	104	103		102	101	100		99	98	97
2	110	106	103	100		108	104	101	99		101	99	97		98	96	94		96	94	93
3	106	100	96	93		104	99	95	92		97	94	91		94	92	90		92	90	88
4	102	96	91	88		100	94	90	87		92	89	86		91	88	85		89	86	84
5	98	91	86	83		96	90	86	82		89	85	82		87	84	81		86	83	80
6	94	87	82	79		93	86	82	78		85	81	78		84	80	77		82	79	77
7	91	83	78	75		90	83	78	75		82	77	74		80	77	74		79	76	74
8	88	80	75	72		87	79	75	72		78	74	71		77	74	71		77	73	71
9	85	77	72	69		84	76	72	69		75	71	68		75	71	68		74	70	68
10	82	74	69	66		81	73	69	66		73	69	66		72	68	66		71	68	65

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	573233
5°	561231
10°	494287
15°	387777
20°	257504
25°	147834
30°	74157
35°	34235
40°	13905
45°	6245
50°	3254
55°	2026
60°	930
65°	0
70°	0
75°	0
80°	0
85°	0



TEST NUMBER: P224906

CATALOG NUMBER: LSR2B05FL409030D010 2LBD*H

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	131.8	21.3
10°-20°	261.7	42.4
20°-30°	162.6	26.3
30°-40°	49.1	7.9
40°-50°	10.0	1.6
50°-60°	2.6	0.4
60°-70°	0.1	0.0
70°-80°	0.0	0.0
80°-90°	0.0	0.0
90°-100°	0.0	0.0
100°-110°	0.0	0.0
110°-120°	0.0	0.0
120°-130°	0.0	0.0
130°-140°	0.0	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	556.2	90.0
0°-40°	605.3	97.9
0°-60°	617.9	100.0
0°-90°	618.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	618.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1480	
5°	1443	132
15°	967	262
25°	346	163
35°	72	49
45°	11	10
55°	3	3
65°	0	0
75°	0	0
85°	0	0
90°	0	



TEST NUMBER: P224906

CATALOG NUMBER: LSR2B05FL409030D010 2LBD*H

CANDELA DISTRIBUTION (FULL):

	0°
0°	1479.9
1°	1475.1
2°	1468.5
3°	1463.7
4°	1456.5
5°	1443.4
6°	1422.4
7°	1393.7
8°	1352.4
9°	1305.7
10°	1256.7
11°	1204.6
12°	1150.1
13°	1093.3
14°	1031.1
15°	967.0
17.5°	795.3
20°	624.7
22.5°	473.9
25°	345.9
27.5°	244.2
30°	165.8
32.5°	108.9
35°	72.4
37.5°	44.9
40°	27.5
42.5°	18.0
45°	11.4
47.5°	7.2
50°	5.4
52.5°	3.6
55°	3.0
57.5°	1.8
60°	1.2
62.5°	0.0
65°	0.0
67.5°	0.0
70°	0.0
72.5°	0.0
75°	0.0
77.5°	0.0
80°	0.0
82.5°	0.0



TEST NUMBER: P224906

CATALOG NUMBER: LSR2B05FL409030D010 2LBD*H

CANDELA DISTRIBUTION (continued):

0°
90° | 0.0



Report Generated By E9808895 / USPTCWHP6082093





— 0°-180°







85°	0.0
87.5°	0.0



(END OF REPORT)